	Application No.	Applicant(s)
Notice of Allowability	09/911,780	NAKANO ET AL.
	Examiner	Art Unit
	Jean E. Lesperance	2629
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. \square This communication is responsive to <u>the amendment filed</u>	<u>March 14, 2006</u> .	
2. The allowed claim(s) is/are <u>1-8</u> .		
 3.		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 10-19-03, 7-33-04 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.	e nent/Comment

Application/Control Number: 09/911,780 Page 2

Art Unit: 2629

DETAILED ACTION

1. The amendment filed March 14, 2006 and claims 1-8 are pending.

١

Allowable Subject Matter

- 2. Claims 1 to 8 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: the claimed invention is directed to a plurality of column electrode driving circuits in a matrix type display including a plurality of row electrode driving circuits connected in series.

Independent claim 1 identifies a uniquely distinct feature "each of the plurality of column electrode driving circuits comprising: a data input section, a timing control section, a selection section, and a data output section, wherein the data input section of a second column electrode driving circuit of the plurality of column electrode driving circuits is connected to the data output section of a first column electrode driving circuit of the plurality of column electrode driving circuits, and the data output section of the second column electrode driving circuit is connected to the data input section of a third column electrode driving circuit of the plurality of column electrode driving circuit of the plurality of column electrode driving circuits".

Independent claim 5 identifies a uniquely distinct feature "a timing signal for controlling an operation timing of the plurality of column electrode driving circuits and the plurality of row electrode driving circuits is generated in the first column electrode driving circuit, and the generated timing signal and a data signal are output to a second

Application/Control Number: 09/911,780

Art Unit: 2629

column electrode driving circuit, among the plurality of column electrode driving circuits, which is directly connected to the first column electrode driving circuit".

Independent claim 6 identifies a uniquely distinct feature "a first column electrode driving circuit, among the plurality of column electrode driving circuits, which is closest to the plurality of row electrode driving circuits, generates a timing signal for controlling an operation timing of the plurality of column electrode driving circuits and the plurality of row electrode driving circuits, generates a timing signal for controlling an operation timing of the plurality of column electrode driving circuits and the plurality of row electrode driving circuits, and outputs the generated timing signal to a first row electrode driving circuit, among the plurality of row electrode driving circuits, which is closest to the first column electrode driving circuit as a scanning signal".

Independent claim 7 identifies a uniquely distinct feature "wherein a timing signal for controlling the plurality of row electrode driving circuits is supplied to one of the plurality of row electrode driving circuits sequentially through a second line portion provided on the printed circuit board, a third line portion provided on one of the plurality of column electrode driving circuits, and a fourth line portion provided on the display panel".

Independent claim 8 identifies a uniquely distinct feature "a first column electrode driving circuit, among the plurality of column electrode driving circuits, which is closest to the plurality of row electrode driving circuits, generates a timing signal for controlling an operation timing of the plurality of column electrode driving circuits and the plurality of row electrode driving circuits, and outputs the generated timing signal to a first row

Application/Control Number: 09/911,780 Page 4

Art Unit: 2629

electrode driving circuit, among the plurality of row electrode driving circuits, which is closest to the first column electrode driving circuit as a scanning signal".

The closest arts, Sasaki et al. as discussed in previous in the Office Action, either singularly or in combination fails to anticipate or render the above underlined limitations obvious.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean Lesperance whose telephone number is (571) 272-7692. The examiner can normally be reached on from Monday to Friday between 10:OOAM and 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (571) 272-7691.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(571) 273-8300 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Jean Lesperance

Art Unit 2629

Date 6/8/2006

RICHARD HJERPE SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600